

**NEVADA DIVISION OF ENVIRONMENTAL PROTECTION**  
**FACT SHEET**

(pursuant to NAC 445A.236)

**Permittee Name:** Flamingo-Paradise Gaming, LLC  
4100 Paradise Road  
Las Vegas, NV 89109

**Permit Number:** NV0023523

**Location:** Terrible's Hotel and Casino  
4100 Paradise Road  
Las Vegas, Clark County, NV 89109

**Location of Discharge to Stormdrain:**

Latitude: 36° 6' 57.6" N,  
Longitude: 115° 9' 12.17" W  
Township 21S, Range 61E, Section 22

**Flow Limit:** 0.173 MGD (Daily Maximum)  
0.010 MGD (30-Day Average)

**Drinking Water and Wellhead Protection:**

The facility is outside the 6,000 foot Drinking Water Protection Area (DWPA) around any public water supply well. The facility is not within a currently established Wellhead Protection Area (WHPA).

**Bureau of Corrective Actions Sites:**

The facility is within one mile of the Bureau of Corrective Actions (BCA) remediation sites listed below. The BCA case officers have indicated they do not anticipate any adverse effect to the ongoing remediation projects from the proposed discharge.

<b>Project ID #</b>	<b>Site Number</b>	<b>Facility Name</b>	<b>Corrective Action Type (Media/Contaminant)</b>
5662	8-000019	ARCO Station 1903	Groundwater/Gasoline
266	8-000020	ARCO Station 1921	Soil/Gasoline
3706	H-001356	Al Phillips The Cleaner	Groundwater/Solvents

**General:**

Flamingo-Paradise Gaming, LLC owns and operates Terrible's Hotel and Casino, a gaming

establishment and hotel complex located at 4100 Paradise Road in Las Vegas, Clark County, Nevada. The gaming complex requires foundation/basement dewatering. Groundwater at the site is encountered at approximately six (6) feet below ground surface; groundwater flow direction is reportedly northeast. The groundwater table is lowered by a network of 12 dewatering wells, and extracted groundwater is conveyed away from the building foundation to a collection vault. Collected groundwater is discharged from the vault to a sub-grade pipeline to the Clark County stormdrain adjacent to the development, and ultimately to the Las Vegas Wash. Discharge of extracted water during construction was administered under temporary permit TNEV2005445.

#### **Discharge Flow and Characteristics:**

Initial groundwater tests and temporary dewatering analyses indicated the groundwater to be discharged is not impacted by metals and toxic materials due to urban or industrial activity. The 30-Day Average Discharge shall be below 0.010 million gallons per day (MGD) or approximately 7.0 gallons per minute. Maximum Daily Discharge is limited to 0.173 MGD. Discharge Monitoring Reports (DMRs) submitted during the period from 3<sup>rd</sup> quarter 2006 through first quarter 2011 indicate the following discharge flow and quality:

Parameter		Permit Limit	Average	Maximum	Minimum
Flow (Gallons/Day)	30-Day Average	<b>10,000</b>	124	160	90
	Daily Maximum	<b>173,000</b>	270	532	138
Total Dissolved Solids (mg/l)		<b>2400</b>	2472	2700	2000
Total Inorganic Nitrogen (mg/L)		<b>20</b>	3.86	5.1	<1
Total Phosphorus (lbs./day)		<b>1</b>	0.08	0.54	<0.02
Total Ammonia as N (lbs./day)		<b>1</b>	0.2	0.6	<0.03
pH (Standard Units)		<b>6.5-9.0</b>	7.34	7.7	6.8
Total Petroleum Hydrocarbons (mg/L)		<b>1</b>	<0.2	0.51	<0.05

#### **Receiving Water Characteristics:**

The dewatering system discharges into a Clark County stormdrain inlet, which eventually discharges to the Las Vegas Wash. Water quality standards for the appropriate reach of the Las Vegas Wash are specified in NAC 445A.199. The requirements to maintain existing higher quality waters apply. Additionally, standards for toxic materials applicable to discharge to upper Las Vegas Wash for beneficial uses indicated in NAC 445A.198 are found in NAC 445A.144.

#### **Proposed Discharge Limitations and Special Conditions:**

The proposed discharge limitations are listed in the following table:

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Quarterly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow (MGD)	0.010	0.173	Continuous	Flow Meter
Total Dissolved Solids (mg/l)	---	Monitor & Report	Quarterly	Discrete
Total Inorganic Nitrogen as N, (mg/L )	---	20	Quarterly	Discrete
Total Phosphorus as P (lbs/day)	---	1.0	Quarterly	Discrete
Total Ammonia as N (lbs/day)	---	1.0	Quarterly	Discrete
pH (Standard Units)	---	6.5 – 9.0	Quarterly	Discrete
Total Petroleum Hydrocarbons (mg/L)	---	1.0 <sup>(1)</sup>	Annually <sup>(2)</sup>	Discrete
Selenium (mg/L)		Monitor & Report	Annually <sup>(2)</sup>	Discrete

1. EPA Method 8015B and EPA Method 8260B, full range C6-C40.
2. Annual sampling results will be submitted with the fourth quarter DMR.

**Rationale for Permit Requirements:** The monitoring requirements for the site are consistent with the requirements for maintaining higher water quality, as stated in NAC445A.198. Initial samples suggest that the groundwater collected from the facility does not contain significant amounts of phosphorus or ammonia; these parameters have been considered de minimus, and limits have been set at 1.0 lb/day accordingly. The Permittee is required to monitor discharge on quarterly and annual bases to ensure that the receiving water (Las Vegas Wash) is not degraded from dewatering at the Terrible's Hotel and Casino Complex, which has the potential to capture possible offsite groundwater contamination.

Previously, this permit included a TDS limit of 2400 mg/l. The naturally occurring TDS levels in the groundwater exceed the previously imposed limit. Since the original permit renewal, information regarding the Colorado River Basin Salinity Control Forum's policy regarding discharge of intercepted groundwater has come to NDEP's attention. This policy holds that because the naturally occurring groundwater would eventually flow under natural conditions to recharge the Las Vegas Wash, TDS of the discharged intercepted groundwater is exempt from consideration. For this permit renewal, a less stringent permit limit will be imposed, pursuant to 40 CFR 122.44.(l).2.i.B, which states: "Information is available which was not available at the time of permit issuance (other than revised regulations, guidance, or test methods) and which would have justified the application of a less stringent effluent limitation at the time of permit issuance". The permit requirement is to Monitor and Report.

Selenium monitoring has been added to this permit to assess selenium inputs to the Las Vegas Wash.

**Schedule of Compliance:**

The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the discharge limitations upon issuance of the renewed permit; and,
- b. **By MMM DD, 2011**, the Permittee shall submit any necessary revisions or updates to the Operations & Maintenance (O&M) Manual for the dewatering system, prepared in accordance with the Division's WTS-2 guidance: *Minimum Information Required for an Operations and Maintenance Manual*. If no updates or revision are necessary, the Permittee shall submit a letter stating that condition to the Division by the above date. The document shall be sent to the following address:

**Division of Environmental Protection  
Bureau of Water Pollution Control  
ATTN: Compliance Coordinator  
901 S. Stewart Street, Suite 4001  
Carson City, NV 89701-5249**

**Procedures for Public Comment:**

The Notice of the Division's intent to renew the NPDES permit authorizing this facility to discharge to the Las Vegas Wash for a five-year period, subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **5:00 PM, MMM DD, 2011**.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be

appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

**Proposed Determination:**

The Division has made the tentative determination to issue the proposed renewal of the NPDES discharge permit for a period of five (5) years

Prepared by: Janine O. Hartley, P.E.  
Draft: June 2011

**DRAFT**